

IN THE SPECIFICATION:

On page 2, please amend the paragraph beginning at line 4 as follows:

--In portable electronic devices such as mobile phones, communicators and laptops the keypad arrangement is built on the "engine PWB". The engine PWB is a common designator of such printed wired boards that comprise a remarkable number of electronic components that implement the main functionalities of the telecommunication device. The electronic part of the portable device, the engine PWB being part of this electronic module, is usually encapsulated so that it is shielded against electromagnetic interference and other ~~disturbancies~~ disturbances. Thus the electronic part constitutes its own entity which is then enclosed in the outer casing forming the cover part of the portable device. The rubbery keymat with bulging protrusions constitutes one side of the electronic part of the portable device and this side will abut on the cover part with openings fixed for bulging protrusions. The electronic part and cover part is then anchored to each other with fasteners.--

On page 5, please amend the paragraph beginning at line 11 as follows:

--In another preferred embodiment, a touch sensor assembly is provided for integrating the ~~[[the]]~~ touch sensor assembly with the cover part to compose an integrated combination which is detachable from the electronic device.--

On page 11, please amend the paragraph beginning at line 20 as follows:

--Some applications of the electromechanical assembly according to the embodiments of the invention listed above are, for example, different modules with control electronics: all types of keypads and keyboards, touch-controlled sensors such as a handwriting ~~recognition~~ recognition detector, a picture editing detector and a fat percentage detector, different types of user interface modules, and different types of ~~functionality~~

functionality modules such as a location detector, a flashlight circuit and a camera circuit.--

On page 12, please amend the paragraph beginning at line 8 as follows:

--The cover part is manufactured by the injection moulding technology which is also called the in mould ~~tecnology~~ technology or in mould decoration (IMD) technology. During the IMD process the electromechanical assembly is arranged to be an insert which is integrated into the cover part to compose an integrated combination which is detachable from the electronic device. To do this, as shown in figure 1a, a first mould 12 under the electromechanical assembly and a second mould 11 on top of the electromechanical assembly is needed. Between the moulds is fixed a cavity 15, 16 where the electromechanical assembly is arranged so that connecting means 5a, 5b are arranged to be located at the electrical contact points 5 between the printed wired foil 3 and the first mould 12 and/or between the printed foil 2 and the first mould 12 during the injection moulding. According an embodiment of the invention a printed foil 2 is arranged on top of the electromechanical assembly and the second mould 11 is set on top of the printed foil 2 so that the lower end of the first mould 12 and the printed foil 2 are engaged to each other, i.e. the cavity 15 above the electromechanical assembly disappears. The lower end of the second mould 11 is formed to follow a shape of an outer part of the electromechanical assembly. A supporting foil 6 is arranged to support the electromechanical assembly from bottom side 4, the support layer also comprising a light source (not shown) to be directed upwards (see figure 2). When the resin, e.g. engineering plastic, is injected through the hole 14 of the first mould 12 to the back of the electromechanical assembly to fill with plastics the cavity area 16. During the injection moulding process joints 18 between the printed foil 2 and the printed wired foil 3 will be melted together to form a sealed joint (see figure 3a). According to another embodiment of the invention the printed foil is a customized injection moulding (CIM)

foil 2. According to still another embodiment of the invention a front cover 1, so called A-cover, of the portable electronic device, as shown in figure 2, is arranged on top of the electromechanical assembly 3, 4 and the second mould 11 is set on top of the front cover so that the lower end of the second mould and the front cover are engaged to each other, i.e. the cavity 15 above the electromechanical assembly disappears. A supporting foil 6 is arranged to support the electromechanical assembly from bottom side 4, the support layer also comprising a light source to be directed upwards, and an additional supporting foil 9 may be installed under a supporting foil 6 if wanted (see figure 3b). A hole 17 through the supporting foils 6, 9 is arranged for electrical contacts to the electronic device so that the connecting means 5a, 5b are piped through the hole 17. ~~When the~~ The resin, e.g. engineering plastic, is injected through the hole 14 of the first mould 12 to the back of the electromechanical assembly to fill with plastics the cavity area 16.--

On page 15, please amend the paragraph beginning at line 26 as follows:

--Figures 3a and 3b show a keypad structure of the keypad assembly according to the invention. Figure 3a shows a detail structure of one keydome of the keypad of the keyboard which keyboard is put as an insert into the mould 11, 12 before the injection molding. The keypad comprises a printed foil 3 and a printed wired foil 4 wherein decorations and other graphics details are ~~arranged~~ arranged to a lower surface of the printed foil 3, an upper surface of the printed foil 3 is arranged to be finger touchable and electrical connections are arranged to an upper surface of the printed wired foil 4. The printed foil is arranged to be above the printed wired foil. A dome sheet layer 7 is placed between the printed foil and the printed wired foil, wherein the dome sheet 7 is electrically conductive at least at the concave surface 8 of each dome. The printed wired foil 4 comprises wiring for electrically connecting contact points of the concave surface 8 of each dome to each other and to the contact points for connections to the

electronic device. According to one embodiment the contact points to the electronic device are connected via the hole 17a through the supporting foil 6 and possible additional supporting foil 9 as shown in figure Figure 3b.--